

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: UCF-237DIV (which is a divisional of  
application SN: 09/506,160 filed 2/17/2000 and SN: 60/120,500 filed 02/18/1999).

Filed: \_\_\_\_/\_\_\_\_/\_\_\_\_

First Named Inventor: BRUCE H. T. CHAI

For: LUTETIUM YTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

Examiner: HANNAHER, CONSTANTINE

Group: 2878

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents  
and Trademarks  
Washington DC 20231


Sir:

Pursuant to 37 CFR §§ 1.97 and 1.98, record is being made below in a form PTO-1449 of documents which the Patent Office may wish to consider in connection with examination of the above-identified patent application. It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case. As provided in § 1.97(g), no representation is made or intended that a thorough art search was made. As provided in 37 C.F.R. § 1.97(h), this Supplemental Information Disclosure Statement does not constitute an admission of any kind, and specifically is not an admission that the documents listed on the attached PCT-1449 are, or are considered to be, material to the patentability of the above-identified patent application, as defined in 37 C.F.R. § 1.56(b).

Copies of the cited references were previously submitted to the USPTO in the parent application No.: 09/506,160 filed February 17, 2000 and made of record. Applicants claim priority to said application under 35 U. S. C. §120. Accordingly, copies of those documents are not provided with this Statement pursuant to 37 CFR § 1.98(d).

It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in the case.

Respectfully submitted,

  
Brian S. Steinberger  
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Cocoa, Florida  
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Customer No.: 23717

Date: 7/18/03

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
CHAI, et al. )  
Serial No: TBA )  
Filed: Concurrently Herewith )  
For: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR )

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents  
and Trademarks  
Washington DC 20231

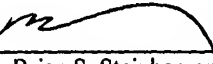
Sir:

Pursuant to the requirements of 37 CFR 1.97 and 1.98, Applicant hereby requests that the references listed in the attached form PTO-1449 be considered and made of record in the above-identified application.

Favorable consideration of the application at an early date is respectfully solicited.

Respectfully submitted,

By:

  
\_\_\_\_\_  
Brian S. Steinberger  
Attorney for Applicant  
Registration No. 36,423  
101 Brevard Avenue  
Cocoa, FL 32922

Date:

2/17/00

**US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**

APPLICANT: CHAI, et al.

FOR: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

LIST OF ART CITED BY APPLICANTU.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
CH	AA 4,664,744	5/12/87	LE GAL <i>et al.</i>	156	616R
CH	AB 4,928,017	5/22/90	KEMMLER-SACK <i>et al.</i>	250	483.1
CH	AC 4,958,080	9/18/90	MELCHER	250	483.1
CH	AD 5,003,181	3/26/91	MORLOTTI	250	484.1
CH	AE 5,025,151	6/18/91	MELCHER	250	269
CH	AF 5,164,041	11/17/92	BERKSTRESSER <i>et al.</i>	156	617
CH	AG 5,660,627	8/26/97	MANENTE <i>et al.</i>	117	13
	<del>AH 5,610,967</del>	<del>3/11/97</del>	<del>MOORMAN</del>	<del>378</del>	<del>154</del>
	<del>AI 5,664,612</del>	<del>7/1/97</del>	<del>MOORMAN</del>	<del>378</del>	<del>98.2</del>
	<del>AJ 5,651,047</del>	<del>7/22/97</del>	<del>MOORMAN</del>	<del>378</del>	<del>988</del>
	<del>AK 5,729,584</del>	<del>3/17/98</del>	<del>MOORMAN</del>	<del>378</del>	<del>146</del>
	<del>AL 5,751,785</del>	<del>5/12/98</del>	<del>MOORMAN</del>	<del>378</del>	<del>146</del>
	<del>AM 5,835,561</del>	<del>11/10/98</del>	<del>MOORMAN</del>	<del>378</del>	<del>98</del>
	<del>AN 5,859,893</del>	<del>1/12/99</del>	<del>MOORMAN</del>	<del>378</del>	<del>154</del>

1c530 U.S. PTO

09/506160

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NONE

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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WD ITS APPLICATION TO POSITION SENSITIVE DETECTORS" pp. 170-172 *et al.*

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TETIUM OXYORTHOSILICATE SCINTILLATION CRYSTAL FOR PET" pp. 1045-1047 *et al.*

CH  
FOR CHARGED/NEUTRAL PARTICLE AND PHOTON DETECTION" pp. 1260-1266 *et al.*

IEEE Transactions on Nuclear Science, Vol. 36, No. 1, February 1989, Ishibashi, "CERIUM DOPED GSO SCINTILLATOR"  
IEEE Transactions on Nuclear Science, Vol. 40, No. 4, August 1993, Daghighian, "EVALUATION OF CERIUM DOPED L<sub>2</sub>SO<sub>4</sub>"  
IEEE Transactions on Nuclear Science, Vol. 43, No. 3, June 1996, Novotny, "A PLASTIC-BaF<sub>2</sub> PHOSWICH TELESCOPE"

CONSTANTINE HANNAHER

OCT 15 2001

Attorney Docket No.: UCF-237DIV

Serial No.: 09/506,160

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Examiner: HANNAHER

Group: 2878

For: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

SUPPLEMENTAL FORM PTO-1449

**US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**

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LIST OF ART CITED BY APPLICANT

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EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
AA	6,323,489	11/27/2001	MCCLELLAN	250	361

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OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

<b>Notic of R ferences Cited</b>	Application/Control No. 09/506,160	Applicant(s)/Patent Under Reexamination CHAI ET AL.	
	Examiner Constantine Hannaher	Art Unit 2878	Page 1 of 1

#### U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,859,893-A	01-1999	Moorman et al.	378/154
*	B	US-5,835,561-A	11-1998	Moorman et al.	378/98
*	C	US-5,751,785-A	05-1998	Moorman et al.	378/146
*	D	US-5,729,584-A	03-1998	Moorman et al.	378/146
*	E	US-5,651,047-A	07-1997	Moorman et al.	378/98.8
*	F	US-5,644,612-A	07-1997	Moorman et al.	378/98.2
*	G	US-5,610,967-A	03-1997	Moorman et al.	378/154
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
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	R					
	S					
	T					

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*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>Notice of References Cited</b>		Application No.		Applicant(s)		
		09/506,160		CHAI ET AL.		
		Examiner		Group Art Unit		
		Constantine Hannaher		2978		
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*	Country Code-Number-Kind Code DOCUMENT NO.	DATE MM-YYYY	NAME	CLASS	SUBCLASS	
A						
B	US-004549083-A	10-1985	Ozawa	250	456.1	
C						
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\* A copy of this reference is not being furnished with this Office action.

U.S. Patent and Trademark Office (See Manual of Patent Examining Procedure, Section 707.05(a).)

PTO-892 (Rev. 9-88) US or foreign.

Part of Paper N. 3

U.S. GPO: 1998-454-457/97506